Appendix D
Greencore Project Waterbody and Wetland Crossings

Appendix D – Water Quality Classifications of Streams Within the Greencore Project Area

Classification	Description
Wyoming Surface Water Use Classification (WDEQ 2007)	
2AB	Class 2AB waters are those known to support game fish populations or spawning and nursery areas at least seasonally and all their perennial tributaries and adjacent wetlands and where a game fishery and drinking water use is otherwise attainable. Class 2AB waters include all permanent and seasonal game fisheries and can be either “cold water” or “warm water” depending upon the predominance of cold water or warm water species present. All Class 2AB waters are designated as cold water game fisheries unless identified as a warm water game fishery by a “ww” notation in the “Wyoming Surface Water Classification List”. Unless it is shown otherwise, these waters are presumed to have sufficient water quality and quantity to support drinking water supplies and are protected for that use. Class 2AB waters also are protected for nongame fisheries, fish consumption, aquatic life other than fish, recreation, wildlife, industry, agriculture, and scenic value uses.
2C	Class 2C waters are those known to support or have the potential to support only nongame fish populations or spawning and nursery areas at least seasonally including their perennial tributaries and adjacent wetlands. Class 2C waters include all permanent and seasonal nongame fisheries and are considered “warm water”. Uses designated on Class 2C waters include nongame fisheries, fish consumption, aquatic life other than fish, recreation, wildlife, industry, agriculture, and scenic value.
3B	Class 3B waters are tributary waters including adjacent wetlands that are not known to support fish populations or drinking water supplies and where those uses are not attainable. Class 3B waters are intermittent and ephemeral streams with sufficient hydrology to normally support and sustain communities of aquatic life including invertebrates, amphibians, or other flora and fauna that inhabit waters of the state at some stage of their life cycles. In general, 3B waters are characterized by frequent linear wetland occurrences or impoundments within or adjacent to the stream channel over its entire length. Such characteristics will be a primary indicator used in identifying Class 3B waters.
Wyoming Groundwater Use Classification (WDEQ 2005)	
I	Class I Groundwater is suitable for domestic use. The ambient quality of underground water of this suitability does not have a concentration in excess of any of the standards for Class I Groundwater of the State including TDS concentrations of less than 500 mg/L.
II	Class II Groundwater is suitable for agricultural use where soil conditions and other factors are adequate. The ambient quality of underground water of this suitability does not have a concentration in excess of any of the standards for Class II Groundwater of the State including TDS concentrations of less than 2000 mg/L.
III	Class III Groundwater is suitable for livestock. The ambient quality of underground water of this suitability does not have a concentration in excess of any of the standards for Class III Groundwater of the State including TDS concentrations of less than 5000 mg/L.
Montana Surface Water Use Classification (MDEQ 2006a)	
B-2	Waters classified B-2 are to be maintained suitable for drinking, culinary, and food processing purposes, after conventional treatment; bathing, swimming, and recreation; growth and marginal propagation of salmonid fishes and associated aquatic life, waterfowl and furbearers; and agricultural and industrial water supply.
Montana Groundwater Use Classification (MDEQ 2006b)	
I	Class I ground waters are those ground waters with a natural specific conductance less than or equal to 1,000 microSiemens/cm at 25ºC. The quality of Class I ground water must be maintained so that these waters are suitable with little or no treatment for the beneficial uses of public and private water supplies, culinary and food processing purposes, irrigation, drinking water for livestock and wildlife, and commercial and industrial purposes.
II	Class II ground waters are those ground waters with a natural specific conductance that is greater than 1,000 and less than or equal to 2,500 microSiemens/cm at 25ºC. The quality of Class II ground water must be maintained so that these waters are at least marginally suitable for the beneficial uses of public and private water supplies, culinary and food processing purposes, irrigation of some agricultural crops, drinking water for livestock and wildlife, and most commercial and industrial purposes.
III	Class III ground waters are those ground waters with a natural specific conductance that is greater than 2,500 and less than or equal to 15,000 microSiemens/cm at 25ºC. The quality of Class III ground water must be maintained so that these waters are at least marginally suitable for the beneficial uses of irrigation of some salt tolerant crops, some commercial and industrial purposes, drinking water for some livestock and wildlife, and drinking, culinary, and food processing purposes where the specific conductance is less than 7,000 microSiemens/cm at 25ºC.

Appendix D – Greencore Project Waterbody and Wetland Crossings

Location						Waterbody Identification				Disturbance		
County	HUC Subbasin	From (MP)	To (MP)	Latitude	Longitude	AECOM Feature ID	Type of Feature	Name[1]	Water Quality Classification[2]	Distance Directly Crossed by CL (feet)	Temporary ROW (acres)	Permanent ROW (acres)
Wyoming												
Fremont	Badwater, Wyoming	1.6	1.6	43.282725	-107.574782	S6AFR001	Intermittent	Sand Creek	3B	59.13	0.21	0.07
Fremont	Badwater, Wyoming	2.7	2.8	43.279224	-107.552595	S_UTM13_01404	Ephemeral			Adjacent	0.14	0.07
Fremont	Badwater, Wyoming	3.3	3.3	43.277878	-107.540920	S_UTM_01405	Ephemeral			10.95	0.03	0.02
Fremont	Badwater, Wyoming	3.5	3.5	43.277731	-107.537589	S_UTM_01407	Ephemeral			13.01	0.05	0.02
Fremont	Badwater, Wyoming	4.0	4.0	43.276788	-107.527916	S_UTM_01409	Ephemeral			20.40	0.05	0.02
Fremont	Badwater, Wyoming	4.4	4.5	43.275436	-107.519571	S1AFR003	Ephemeral			12.75	0.04	0.02
Natrona	Badwater, Wyoming	4.8	4.8	43.274771	-107.513195	S_UTM_01410	Ephemeral			Adjacent	0.01	0.00
Natrona	Badwater, Wyoming	5.0	5.0	43.274314	-107.509977	S1ANA001	Ephemeral			4.37	0.01	0.01
Natrona	Badwater, Wyoming	5.3	5.3	43.271597	-107.504276	S1ANA002	Ephemeral			5.22	0.01	0.01
Natrona	Badwater, Wyoming	5.7	5.7	43.270684	-107.496940	S1ANA003	Ephemeral			2.22	0.00	0.00
Natrona	Badwater, Wyoming	5.8	5.9	43.270319	-107.493701	S1ANA004	Intermittent	South Fork Sand Creek	3B	15.48	0.10	0.02
Natrona	Badwater, Wyoming	6.5	6.5	43.267221	-107.482254	S_UTM_01411	Ephemeral			17.09	0.04	0.02
Natrona	Badwater, Wyoming	7.8	7.8	43.263316	-107.456369	S1ANA005	Intermittent			6.09	0.01	0.01
Natrona	Badwater, Wyoming	7.9	8.0	43.262840	-107.453722	S1ANA006	Intermittent			7.46	0.03	0.01
Natrona	Badwater, Wyoming	8.4	8.5	43.261117	-107.443899	S_UTM_01412	Ephemeral			Adjacent	0.03	0.00
Natrona	Badwater, Wyoming	8.8	8.8	43.260533	-107.436709	S_UTM_01413	Ephemeral			18.28	0.04	0.02
Natrona	Badwater, Wyoming	9.7	9.7	43.405369	-106.899424	S1ANA007	Intermittent			6.06	0.02	0.01
Natrona	Badwater, Wyoming	9.8	9.8	43.257344	-107.417977	S1ANA008	Intermittent			5.98	0.02	0.01
Natrona	Badwater, Wyoming	10.5	10.6	43.254766	-107.404546	S2ANA010	Intermittent			14.87	0.09	0.02
Natrona	Badwater, Wyoming	10.7	10.7	43.254403	-107.402222	S2ANA001	Ephemeral			8.26	0.02	0.01
Natrona	Badwater, Wyoming	11.1	11.1	43.252835	-107.394044	S_UTM13_01418	Ephemeral			Adjacent	0.02	0.00
Natrona	Badwater, Wyoming	11.1	11.2	43.252648	-107.392369	S2ANA003	Ephemeral			20.13	0.09	0.02
Natrona	Badwater, Wyoming	11.7	11.7	43.250336	-107.381991	S2ANA004	Ephemeral			11.28	0.02	0.01
Natrona	Badwater, Wyoming	11.8	11.8	43.250588	-107.381188	S_UTM13_01419	Ephemeral			21.33	0.05	0.02
Natrona	Badwater, Wyoming	12.6	12.6	43.243614	-107.368057	S_UTM13_01420	Ephemeral			19.30	0.06	0.03
Natrona	Badwater, Wyoming	12.9	13.0	43.241270	-107.362723	S10NA001	Ephemeral			15.09	0.08	0.02
Natrona	Badwater, Wyoming	13.1	13.1	43.240056	-107.360402	S10NA002	Ephemeral			159.75	0.43	0.18
Natrona	Badwater, Wyoming	13.2	13.2	43.239289	-107.358957	S_UTM13_01421	Ephemeral			9.20	0.02	0.01
Natrona	Badwater, Wyoming	13.7	13.7	43.234172	-107.352498	S10NA003	Intermittent	Red Creek	3B	23.41	0.05	0.03
Natrona	Badwater, Wyoming	14.0	14.0	43.230788	-107.348362	S_UTM13_01422	Ephemeral			15.85	0.03	0.02
Natrona	Badwater, Wyoming	16.2	16.3	43.207021	-107.318065	S_UTM13_01423	Ephemeral			27.89	0.08	0.04
Natrona	Badwater, Wyoming	16.7	16.7	43.203433	-107.312342	S10NA004	Ephemeral			26.10	0.14	0.03
Natrona	Badwater, Wyoming	17.0	17.0	43.200378	-107.308026	S10NA005	Intermittent			22.97	0.09	0.03
Natrona	Badwater, Wyoming	17.4	17.4	43.196454	-107.302596	S_UTM13_01425	Ephemeral			10.99	0.03	0.01
Natrona	Badwater, Wyoming	17.5	17.5	43.195392	-107.301222	S_UTM13_01426	Ephemeral			18.99	0.04	0.02
Natrona	Badwater, Wyoming	17.5	17.5	43.194801	-107.300511	S_UTM13_01427	Ephemeral			14.16	0.03	0.02
Natrona	Badwater, Wyoming	17.5	17.6	43.194467	-107.300090	S_UTM13_01428	Ephemeral			16.69	0.03	0.02
Natrona	Badwater, Wyoming	18.0	18.0	43.190187	-107.293858	S_UTM13_01429	Ephemeral			27.40	0.06	0.03
Natrona	Badwater, Wyoming	18.2	18.2	43.188376	-107.291313	S6ANA007	Ephemeral			4.82	0.01	0.01

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Location						Waterbody Identification				Disturbance		
County	HUC Subbasin	From (MP)	To (MP)	Latitude	Longitude	AECOM Feature ID	Type of Feature	Name[1]	Water Quality Classification[2]	Distance Directly Crossed by CL (feet)	Temporary ROW (acres)	Permanent ROW (acres)
Natrona	Badwater, Wyoming	18.9	18.9	43.180412	-107.281496	S10NA006	Ephemeral			18.40	0.05	0.02
Natrona	Badwater, Wyoming	20.0	20.0	43.169299	-107.267754	S2aNA016	Ephemeral	Alkalie Creek	3B	10.48	0.03	0.01
Natrona	Badwater, Wyoming	20.7	20.8	43.161337	-107.257210	S1ANA009	Ephemeral			Adjacent	0.04	0.03
Natrona	Lower Wind, Wyoming	22.5	22.6	43.141067	-107.236357	W1ANA001	PEM			Adjacent	0.39	0.00
Natrona	South Fork Powder, Wyoming	26.2	26.2	43.099580	-107.192720	S_UTM13_01431	Ephemeral			23.04	0.05	0.03
Natrona	South Fork Powder, Wyoming	30.5	30.5	43.062825	-107.124995	W2ANA002	PEM			114.46	0.25	0.13
Natrona	South Fork Powder, Wyoming	32.3	32.3	43.050542	-107.095554	S2ANA017	Ephemeral			Adjacent	0.00	0.00
Natrona	South Fork Powder, Wyoming	32.4	32.6	43.048964	-107.091382	S2ANA018	Ephemeral			Adjacent	0.05	0.00
Natrona	South Fork Powder, Wyoming	32.8	32.8	43.047360	-107.086640	S1ANA013	Ephemeral			10.62	0.04	0.01
Natrona	South Fork Powder, Wyoming	32.9	32.9	43.046361	-107.084930	S1ANA012	Ephemeral			9.39	0.04	0.01
Natrona	South Fork Powder, Wyoming	35.3	35.3	43.038805	-107.045163	W1ANA002	PEM			Adjacent	0.00	0.00
Natrona	South Fork Powder, Wyoming	36.3	36.3	43.035668	-107.026413	S1ANA014	Ephemeral			10.58	0.04	0.01
Natrona	South Fork Powder, Wyoming	36.7	36.7	43.031382	-107.020193	W6ANA001	PEM		2C	86.09	0.15	0.09
Natrona	South Fork Powder, Wyoming	36.7	36.7	43.031423	-107.020217	S6ANA002	Perennial	South Fork Powder River	2C	23.75	0.04	0.02
Natrona	South Fork Powder, Wyoming	37.0	37.0	43.029184	-107.016561	S6ANA003	Intermittent			9.96	0.04	0.01
Natrona	South Fork Powder, Wyoming	37.7	37.7	43.025236	-107.003825	S1ANA016	Ephemeral			35.20	0.10	0.04
Natrona	Middle North Platte-Casper, Wyoming	43.7	43.7	43.032244	-106.891591	S_UTM13_01433	Ephemeral			24.94	0.05	0.03
Natrona	Middle North Platte-Casper, Wyoming	43.7	43.8	43.032640	-106.889729	S_UTM13_01434	Ephemeral			35.34	0.11	0.06
Natrona	Middle North Platte-Casper, Wyoming	45.4	45.5	43.033659	-106.855993	W1ANA003	PEM			Adjacent	0.29	0.00
Natrona	Middle North Platte-Caspe, Wyoming	46.8	46.8	43.039582	-106.832233	S2ANA019	Ephemeral			13.47	0.03	0.02
Natrona	Middle North Platte-Caspe, Wyoming	47.5	47.5	43.045823	-106.823222	W2ANA003	PEM			Adjacent	0.07	0.00
Natrona	Middle North Platte-Casper, Wyoming	49.9	49.9	43.068396	-106.788904	S_UTM13_01435	Ephemeral			24.90	0.07	0.03
Natrona	Middle North Platte-Casper, Wyoming	55.5	55.7	43.119891	-106.720793	S1ANA017	Ephemeral			Adjacent	0.10	0.02
Natrona	Middle North Platte-Casper, Wyoming	57.0	57.0	43.133972	-106.701635	S1ANA018	Ephemeral			11.43	0.04	0.01
Natrona	Middle North Platte-Casper, Wyoming	57.2	57.2	43.135880	-106.699162	S_UTM13_01436	Ephemeral			20.84	0.07	0.02
Natrona	Middle North Platte-Casper, Wyoming	57.5	57.5	43.138969	-106.694245	W1ANA004	PEM			30.30	0.09	0.03
Natrona	Middle North Platte-Casper, Wyoming	57.8	57.8	43.142114	-106.690291	S1ANA019	Ephemeral			6.18	0.02	0.01
Natrona	Middle North Platte-Casper, Wyoming	57.9	57.9	43.142865	-106.689129	S1ANA020	Ephemeral			5.02	0.02	0.01
Natrona	Middle North Platte-Casper, Wyoming	58.2	58.2	43.146021	-106.684011	S2ANA023	Ephemeral			4.12	0.02	0.01
Natrona	Middle North Platte-Casper, Wyoming	58.3	58.3	43.146960	-106.682458	S2ANA024	Ephemeral			1.02	0.00	0.00
Natrona	Middle North Platte-Casper, Wyoming	58.4	58.4	43.147811	-106.681086	S2ANA025	Ephemeral			2.11	0.01	0.00
Natrona	Middle North Platte-Casper, Wyoming	58.9	58.9	43.153335	-106.673832	S2ANA026	Ephemeral			2.09	0.01	0.00
Natrona	Middle North Platte-Casper, Wyoming	59.0	59.0	43.153588	-106.673128	S2ANA027	Ephemeral			26.17	0.08	0.03
Natrona	Middle North Platte-Casper, Wyoming	59.1	59.1	43.154719	-106.671081	S2ANA028	Ephemeral			38.69	0.07	0.04
Natrona	Middle North Platte-Casper, Wyoming	59.2	59.2	43.155804	-106.669522	S2ANA029	Ephemeral			86.12	0.11	0.05
Natrona	Middle North Platte-Casper, Wyoming	59.4	59.4	43.157486	-106.667118	S2ANA030	Ephemeral			4.10	0.01	0.01
Natrona	Middle North Platte-Casper, Wyoming	59.5	59.5	43.158844	-106.665601	S2ANA031	Ephemeral			17.47	0.07	0.02
Natrona	Middle North Platte-Casper, Wyoming	59.9	59.9	43.162197	-106.660062	S2ANA032	Ephemeral			3.06	0.01	0.00
Natrona	Middle North Platte-Casper, Wyoming	60.1	60.1	43.164450	-106.656302	S2ANA033	Ephemeral			7.86	0.02	0.01
Natrona	Middle North Platte-Casper, Wyoming	60.2	60.3	43.165355	-106.653478	S2ANA034	Ephemeral			37.48	0.06	0.03

Appendix D – Greencore Project Waterbody and Wetland Crossings

Location						Waterbody Identification				Disturbance		
County	HUC Subbasin	From (MP)	To (MP)	Latitude	Longitude	AECOM Feature ID	Type of Feature	Name[1]	Water Quality Classification[2]	Distance Directly Crossed by CL (feet)	Temporary ROW (acres)	Permanent ROW (acres)
Natrona	Salt, Wyoming	62.0	62.0	43.174281	-106.625094	S2ANA035	Intermittent			56.44	0.20	0.06
Natrona	Salt, Wyoming	62.5	62.5	43.181282	-106.620410	S2ANA036	Ephemeral			15.08	0.05	0.02
Natrona	Salt, Wyoming	65.8	65.8	43.222306	-106.587631	S2ANA037	Ephemeral	Trib Castle Creek	(not listed)[2]	5.90	0.01	0.01
Natrona	Salt, Wyoming	66.4	66.4	43.229510	-106.581405	S2ANA038	Ephemeral			3.44	0.01	0.00
Natrona	Salt, Wyoming	67.1	67.1	43.237856	-106.575252	S2ANA039	Ephemeral			9.12	0.03	0.01
Natrona	Salt, Wyoming	67.2	67.2	43.240142	-106.574134	S2ANA040	Ephemeral			10.63	0.03	0.01
Natrona	Salt, Wyoming	67.3	67.3	43.240982	-106.573985	S2ANO041	Ephemeral			19.01	0.05	0.02
Natrona	Salt, Wyoming	67.4	67.4	43.243121	-106.572853	S2ANA042	Ephemeral			7.08	0.02	0.01
Natrona	Salt, Wyoming	67.6	67.7	43.246078	-106.571487	S2ANA043	Ephemeral			18.25	0.05	0.02
Natrona	Salt, Wyoming	67.8	67.8	43.247480	-106.570638	S2ANA044	Ephemeral			7.42	0.02	0.01
Natrona	Salt, Wyoming	68.0	68.0	43.250704	-106.569263	S2ANA045	Ephemeral			4.37	0.01	0.00
Natrona	Salt, Wyoming	68.1	68.1	43.252144	-106.568708	S2ANA046	Ephemeral			17.80	0.03	0.01
Natrona	Salt, Wyoming	68.2	68.2	43.253262	-106.567880	S2ANA047	Ephemeral			6.74	0.02	0.01
Natrona	Salt, Wyoming	69.0	69.1	43.265285	-106.562462	S_UTM13_01438	Ephemeral			54.30	0.14	0.06
Natrona	Salt, Wyoming	69.7	69.7	43.273851	-106.558735	S1ANA024	Ephemeral			10.98	0.05	0.01
Natrona	Salt, Wyoming	70.1	70.1	43.279746	-106.556026	S1ANA023	Ephemeral			1.14	0.00	0.00
Natrona	Salt, Wyoming	70.2	70.2	43.281124	-106.555803	S1ANA022	Ephemeral			2.27	0.01	0.00
Natrona	Salt, Wyoming	70.6	70.6	43.286536	-106.553680	S_UTM13_01440	Ephemeral			47.09	0.20	0.05
Natrona	Salt, Wyoming	71.0	71.0	43.292194	-106.551517	S_UTM13_01442	Ephemeral			21.53	0.07	0.03
Natrona	South Fork Powder, Wyoming	72.4	72.4	43.310764	-106.540518	S1ANA026	Ephemeral			3.46	0.01	0.00
Natrona	South Fork Powder, Wyoming	72.8	72.8	43.315431	-106.537147	S1ANA027	Ephemeral			1.03	0.00	0.00
Natrona	South Fork Powder, Wyoming	73.7	73.7	43.327339	-106.528298	S1ANA028	Ephemeral			4.24	0.01	0.00
Natrona	South Fork Powder, Wyoming	74.1	74.1	43.332148	-106.524344	S1ANA029	Intermittent			16.39	0.05	0.02
Natrona	South Fork Powder, Wyoming	74.2	74.2	43.333236	-106.523931	S1ANA030	Ephemeral			2.77	0.01	0.00
Natrona	South Fork Powder, Wyoming	75.0	75.0	43.344447	-106.517485	S1ANA031	Ephemeral			58.72	0.05	0.01
Natrona	South Fork Powder, Wyoming	75.3	75.3	43.347827	-106.516571	S_UTM13_01444	Ephemeral			76.58	0.14	0.06
Natrona	South Fork Powder, Wyoming	76.5	76.5	43.365486	-106.514682	S1ANA025	Intermittent			20.89	0.07	0.04
Natrona	Salt, Wyoming	78.9	79.0	43.388222	-106.481972	S2ANA050	Intermittent			23.76	0.05	0.02
Natrona	Salt, Wyoming	79.2	79.4	43.392092	-106.477429	S2ANA049	Ephemeral	Government Creek	3B	58.25	0.59	0.13
Natrona	Salt, Wyoming	79.6	79.6	43.395937	-106.472803	S6ANA010	Intermittent	Government Creek	3B	23.08	0.06	0.03
Natrona	Salt, Wyoming	79.6	79.7	43.395769	-106.472852	W6ANA004	PEM		3B	237.28	0.47	0.27
Natrona	Salt, Wyoming	80.0	80.1	43.399962	-106.466180	S6ANA009	Intermittent			Adjacent	0.04	0.00
Natrona	Salt, Wyoming	80.1	80.1	43.399503	-106.467064	S6ANA008	Intermittent	Government Creek	3B	3.28	0.01	0.01
Natrona	Salt, Wyoming	80.1	80.1	43.400379	-106.466294	W6ANA003	PEM		3B	67.74	0.05	0.05
Natrona	Salt, Wyoming	80.7	80.8	43.408854	-106.462324	S2ANA048	Ephemeral	Government Creek	3B	2.31	0.01	0.00
Natrona	Salt, Wyoming	82.9	82.9	43.438143	-106.446546	S2ANA052	Intermittent	Lame Creek	(not listed)[2]	29.65	0.08	0.04
Natrona	Salt, Wyoming	83.2	83.2	43.441588	-106.445268	S2ANA053	Perennial	Scott Creek	(not listed)[2]	93.85	0.20	0.10
Natrona	Salt, Wyoming	83.5	83.5	43.445488	-106.442621	S2ANA054	Intermittent			3.05	0.02	0.00
Natrona	Salt, Wyoming	84.2	84.2	43.454505	-106.438014	S2ANA055	Intermittent			5.19	0.02	0.01
Natrona	Salt, Wyoming	84.3	84.3	43.456280	-106.436630	S2ANA056	Intermittent			4.87	0.01	0.01

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Location						Waterbody Identification				Disturbance		
County	HUC Subbasin	From (MP)	To (MP)	Latitude	Longitude	AECOM Feature ID	Type of Feature	Name[1]	Water Quality Classification[2]	Distance Directly Crossed by CL (feet)	Temporary ROW (acres)	Permanent ROW (acres)
Natrona	Salt, Wyoming	85.3	85.3	43.467950	-106.427532	S2ANA057	Intermittent			3.13	0.02	0.00
Natrona	Salt, Wyoming	85.4	85.4	43.468945	-106.425843	S2ANA051	Ephemeral			2.62	0.01	0.00
Natrona	Salt, Wyoming	87.0	87.0	43.485322	-106.405718	S1ANA021	Intermittent	Dug Out Creek	3B	14.95	0.05	0.02
Johnson	Salt, Wyoming	88.9	88.9	43.508633	-106.394730	S1AJO003	Ephemeral			5.37	0.01	0.01
Johnson	Salt, Wyoming	89.1	89.1	43.511639	-106.395767	S1AJO004	Ephemeral			14.17	0.03	0.01
Johnson	Salt, Wyoming	89.8	89.9	43.521294	-106.397140	S1AJO005	Ephemeral			6.40	0.02	0.01
Johnson	Salt, Wyoming	90.2	90.2	43.526602	-106.400218	S1AJO006	Intermittent			8.59	0.03	0.01
Johnson	Salt, Wyoming	93.7	93.8	43.565609	-106.374443	S1AJO008	Ephemeral			9.12	0.03	0.01
Johnson	Salt, Wyoming	93.9	93.9	43.567870	-106.373044	S1AJO009	Open Water			Adjacent	0.03	0.00
Johnson	Salt, Wyoming	95.3	95.4	43.579731	-106.352198	S_UTM13_01446	Ephemeral			43.40	0.11	0.04
Johnson	Salt, Wyoming	95.5	95.5	43.581166	-106.352254	S1AJO010	Perennial	Salt Creek	2C	45.39	0.14	0.05
Johnson	Salt, Wyoming	95.7	95.7	43.582812	-106.348250	S2AJO013	Ephemeral			10.96	0.03	0.01
Johnson	Salt, Wyoming	96.6	96.6	43.585844	-106.330778	S2AJO012	Perennial	Meadow Creek	2C	6.89	0.02	0.01
Johnson	Salt, Wyoming	96.7	97.5	43.586346	-106.323829	S2AJO006	Perennial	Meadow Creek	2C	10.53	0.05	0.01
Johnson	Salt, Wyoming	97.7	97.7	43.590174	-106.315170	S2AJO005	Ephemeral			2.92	0.01	0.00
Johnson	Salt, Wyoming	98.2	98.2	43.593372	-106.306379	S2AJO004	Ephemeral			Adjacent	0.00	0.00
Johnson	Salt, Wyoming	98.4	98.4	43.593740	-106.302669	S2AJO003	Ephemeral			3.96	0.00	0.00
Johnson	Salt, Wyoming	98.5	98.5	43.594077	-106.301309	S2AJO002	Ephemeral			4.15	0.01	0.00
Johnson	Salt, Wyoming	98.6	98.6	43.594656	-106.299003	S2AJO001	Ephemeral			10.40	0.03	0.01
Johnson	Salt, Wyoming	98.8	98.9	43.595047	-106.294819	S2AJO011	Ephemeral			4.04	0.01	0.00
Johnson	Salt, Wyoming	98.9	98.9	43.595244	-106.294431	S2AJO010	Ephemeral			1.08	0.00	0.00
Johnson	Salt, Wyoming	99.0	99.0	43.595526	-106.291481	S2AJO009	Ephemeral			4.02	0.01	0.00
Johnson	Salt, Wyoming	99.1	99.1	43.596487	-106.289719	S2AJO008	Ephemeral			4.19	0.01	0.00
Johnson	Salt, Wyoming	99.3	99.3	43.597786	-106.286136	W2AJO002	PEM			10.70	0.04	0.03
Johnson	Salt, Wyoming	99.4	99.4	43.597946	-106.285060	S2AJO007	Ephemeral			Adjacent	0.01	0.00
Johnson	Upper Powder, Wyoming	103.5	104.0	43.651764	-106.250321	S1AJO022	Perennial	Carpenter Draw	(not listed)[2]	Adjacent	0.08	0.00
Johnson	Upper Powder, Wyoming	104.1	104.1	43.655951	-106.246055	S1AJO021	Perennial	Carpenter Draw	(not listed)[2]	6.28	0.02	0.01
Johnson	Upper Powder, Wyoming	104.2	104.3	43.654001	-106.242700	S1AJO020	Intermittent			6.31	0.05	0.01
Johnson	Upper Powder, Wyoming	104.8	104.8	43.656558	-106.232364	S1AJO019	Intermittent			9.01	0.02	0.01
Johnson	Upper Powder, Wyoming	113.7	113.7	43.774468	-106.185126	S1AJO012	Perennial	Dry Fork Powder River	3B	17.38	0.05	0.02
Johnson	Upper Powder, Wyoming	117.2	117.2	43.823464	-106.167966	S2AJO022	Ephemeral	Fork Little Willow Creek		2.68	0.01	0.00
Johnson	Upper Powder, Wyoming	117.7	117.7	43.829697	-106.170117	S_UTM13_01447	Ephemeral			19.51	0.05	0.02
Johnson	Upper Powder, Wyoming	123.2	123.3	43.902402	-106.154722	S1AJO011	Intermittent	Willow Creek	(not listed)[2]	21.84	0.19	0.03
Johnson	Upper Powder, Wyoming	125.6	125.6	43.933534	-106.139922	S1AJO013	Ephemeral			4.21	0.01	0.00
Johnson	Upper Powder, Wyoming	132.3	132.3	44.019077	-106.130599	S2AJO024	Perennial	Pumpkin Creek	3B	20.52	0.05	0.02
Johnson	Upper Powder, Wyoming	132.9	133.0	44.026580	-106.125650	S2AJO025	Open Water			116.30	0.35	0.14
Johnson	Upper Powder, Wyoming	134.8	134.8	44.044604	-106.099037	S_UTM13_01449	Ephemeral			45.93	0.12	0.05
Johnson	Upper Powder, Wyoming	135.5	135.5	44.050843	-106.088274	S1AJO015	Ephemeral			3.01	0.01	0.00
Johnson	Upper Powder, Wyoming	136.0	136.0	44.054425	-106.081686	S_UTM13_01451	Ephemeral			33.89	0.07	0.04
Johnson	Upper Powder, Wyoming	138.8	138.8	44.082291	-106.040155	S_UTM13_01452	Ephemeral			20.41	0.06	0.02

Appendix D – Greencore Project Waterbody and Wetland Crossings

Location						Waterbody Identification				Disturbance		
County	HUC Subbasin	From (MP)	To (MP)	Latitude	Longitude	AECOM Feature ID	Type of Feature	Name[1]	Water Quality Classification[2]	Distance Directly Crossed by CL (feet)	Temporary ROW (acres)	Permanent ROW (acres)
Johnson	Upper Powder, Wyoming	139.1	139.1	44.083519	-106.035765	S1AJO016	Ephemeral			4.00	0.01	0.00
Johnson	Upper Powder, Wyoming	139.8	139.8	44.088999	-106.023929	S1AJO017	Ephemeral			7.30	0.01	0.01
Johnson	Upper Powder, Wyoming	139.8	139.8	44.088022	-106.023374	S8ACA005	Ephemeral			3.61	0.01	0.00
Johnson	Upper Powder, Wyoming	140.1	140.1	44.091936	-106.020299	S1AJO018	Perennial	Beaver Creek	3B	6.50	0.01	0.01
Campbell	Upper Powder, Wyoming	144.8	144.8	44.141660	-105.967299	S2ACA006	Intermittent			35.51	0.06	0.04
Campbell	Upper Powder, Wyoming	145.9	145.9	44.151155	-105.948075	S8ACA004	Ephemeral			3.29	0.01	0.00
Campbell	Upper Powder, Wyoming	147.0	147.1	44.160385	-105.932108	S2ACA007	Perennial	South Draw	(not listed)[2]	5.86	0.05	0.01
Campbell	Upper Powder, Wyoming	147.7	147.8	44.166231	-105.918783	S8ACA003	Intermittent	Deadhorse Creek	3B	19.18	0.05	0.02
Campbell	Upper Powder, Wyoming	148.5	148.6	44.175320	-105.910748	S8ACA001	Perennial	North Prong Deadhorse Creek	3B	17.45	0.04	0.02
Campbell	Upper Powder, Wyoming	149.1	149.1	44.181794	-105.907426	S3ACA004	Ephemeral			4.38	0.01	0.00
Campbell	Upper Powder, Wyoming	149.4	149.4	44.182952	-105.902425	S3ACA003	Ephemeral			3.97	0.01	0.00
Campbell	Upper Powder, Wyoming	150.0	150.0	44.188542	-105.894017	S_UTM13_00630	Ephemeral			67.68	0.16	0.08
Campbell	Upper Powder, Wyoming	150.4	150.4	44.193177	-105.889122	S_UTM13_00632	Ephemeral			32.88	0.06	0.04
Campbell	Upper Powder, Wyoming	151.0	151.1	44.200691	-105.881040	S_UTM13_00634	Ephemeral			37.39	0.10	0.04
Campbell	Upper Powder, Wyoming	151.3	151.4	44.202527	-105.877703	S3ACA002	Ephemeral			6.75	0.03	0.01
Campbell	Upper Powder, Wyoming	152.2	152.2	44.213723	-105.866408	S_UTM13_00638	Intermittent			230.23	0.54	0.26
Campbell	Upper Powder, Wyoming	160.0	160.0	44.290950	-105.781960	S6ACA009	Perennial	Kingsbury Creek	3B	21.70	0.07	0.03
Campbell	Upper Powder, Wyoming	161.4	161.4	44.299309	-105.759153	S6ACA007	Perennial	Wild Horse Creek	3B	25.11	0.06	0.03
Campbell	Upper Powder, Wyoming	162.1	162.1	44.304724	-105.750355	S6ACA006	Intermittent			6.57	0.02	0.01
Campbell	Upper Powder, Wyoming	162.6	162.7	44.308589	-105.742156	S_UTM13_00668	Ephemeral			68.62	0.34	0.10
Campbell	Upper Powder, Wyoming	163.8	163.8	44.318781	-105.724224	W4ACA001	PEM			38.63	0.04	0.04
Campbell	Upper Powder, Wyoming	165.7	165.8	44.345140	-105.714913	S8ACA006	Intermittent	Hay Creek	(not listed)[2]	18.12	0.11	0.02
Campbell	Little Powder, Montana, Wyoming	167.5	167.6	44.365267	-105.692487	S3ACA011	Intermittent			16.96	0.03	0.02
Campbell	Little Powder, Montana, Wyoming	168.5	168.5	44.374782	-105.681341	S_UTM13_01455	Ephemeral			20.17	0.06	0.02
Campbell	Little Powder, Montana, Wyoming	169.3	169.3	44.386674	-105.679728	W3ACA001	PEM			84.70	0.19	0.10
Campbell	Little Powder, Montana, Wyoming	169.4	169.4	44.387843	-105.678559	S_UTM13_00692	Ephemeral			10.30	0.04	0.01
Campbell	Little Powder, Montana, Wyoming	170.4	170.4	44.401447	-105.672952	S3ACA012	Intermittent	Road Prong	(not listed)[2]	8.94	0.03	0.01
Campbell	Little Powder, Montana, Wyoming	171.4	171.4	44.415643	-105.670159	S3ACA013	Ephemeral	9 T-Bar Creek	(not listed)[2]	3.49	0.01	0.00
Campbell	Little Powder, Montana, Wyoming	171.6	171.6	44.418544	-105.669693	S_UTM13_00704	Ephemeral			17.18	0.05	0.02
Campbell	Little Powder, Montana, Wyoming	171.9	171.9	44.422756	-105.668792	S_UTM13_00706	Ephemeral			23.38	0.07	0.02
Campbell	Little Powder, Montana, Wyoming	174.8	174.9	44.463528	-105.666077	S4ACA012	Ephemeral			5.41	0.05	0.01
Campbell	Little Powder, Montana, Wyoming	175.5	175.6	44.472992	-105.661613	S4ACA013	Ephemeral			19.21	0.02	0.01
Campbell	Little Powder, Montana, Wyoming	175.9	175.9	44.477677	-105.658098	S4ACA014	Perennial	Road Creek	(not listed)[2]	8.22	0.02	0.01
Campbell	Little Powder, Montana, Wyoming	176.6	176.6	44.485893	-105.651545	S_UTM13_01457	Ephemeral			97.39	0.22	0.11
Campbell	Little Powder, Montana, Wyoming	179.1	179.2	44.515615	-105.626641	S3Aca005	Intermittent			45.90	0.12	0.05
Campbell	Little Powder, Montana, Wyoming	181.3	181.3	44.537628	-105.599786	S4ACA003	Intermittent			92.52	0.24	0.10
Campbell	Little Powder, Montana, Wyoming	181.4	181.4	44.538501	-105.596860	S_UTM13_01049	Ephemeral			Adjacent	0.07	0.00
Campbell	Little Powder, Montana, Wyoming	183.3	183.3	44.547368	-105.563308	S4ACA011	Ephemeral	Calf Creek	(not listed)[2]	36.38	0.03	0.02
Campbell	Little Powder, Montana, Wyoming	184.2	184.2	44.545008	-105.544951	S3ACA006	Ephemeral			6.15	0.02	0.01
Campbell	Little Powder, Montana, Wyoming	186.6	186.6	44.559072	-105.506762	S3ACA010	Ephemeral	Boxelder Creek	(not listed)[2]	15.29	0.07	0.02

Appendix D – Greencore Project Waterbody and Wetland Crossings

Location						Waterbody Identification				Disturbance		
County	HUC Subbasin	From (MP)	To (MP)	Latitude	Longitude	AECOM Feature ID	Type of Feature	Name[1]	Water Quality Classification[2]	Distance Directly Crossed by CL (feet)	Temporary ROW (acres)	Permanent ROW (acres)
Campbell	Little Powder, Montana, Wyoming	186.7	186.7	44.560067	-105.506652	S3ACA009	Ephemeral			12.16	0.04	0.01
Campbell	Little Powder, Montana, Wyoming	186.9	186.9	44.563117	-105.505877	S3ACA008	Ephemeral			12.27	0.04	0.01
Campbell	Little Powder, Montana, Wyoming	187.0	187.0	44.564029	-105.505002	S3ACA007	Ephemeral			13.49	0.04	0.02
Campbell	Little Powder, Montana, Wyoming	187.3	187.4	44.569229	-105.502610	S_UTM13_01458	Ephemeral			35.20	0.11	0.03
Campbell	Little Powder, Montana, Wyoming	187.8	187.9	44.576108	-105.502008	S4ACA007	Ephemeral	Boxelder Creek	(not listed)[2]	52.21	0.06	0.02
Campbell	Little Powder, Montana, Wyoming	187.9	188.0	44.577583	-105.501788	S4ACA008	Ephemeral	Boxelder Creek	(not listed)[2]	32.70	0.05	0.02
Campbell	Little Powder, Montana, Wyoming	188.1	188.1	44.578999	-105.500688	S4ACA009	Ephemeral			Adjacent	0.06	0.00
Campbell	Little Powder, Montana, Wyoming	188.3	188.5	44.584520	-105.498734	S4ACA010	Ephemeral	Boxelder Creek	(not listed)[2]	43.57	0.09	0.02
Campbell	Little Powder, Montana, Wyoming	189.4	189.4	44.597538	-105.494820	S_UTM13_00759	Ephemeral			29.81	0.09	0.04
Campbell	Little Powder, Montana, Wyoming	189.9	189.9	44.604250	-105.491088	S5ACA001	Intermittent	Boxelder Creek	(not listed)[2]	37.61	0.04	0.03
Campbell	Little Powder, Montana, Wyoming	190.0	190.0	44.605633	-105.489226	S_UTM13_01459	Intermittent	Boxelder Creek	(not listed)[2]	31.62	0.10	0.04
Campbell	Little Powder, Montana, Wyoming	191.2	191.3	44.621801	-105.482091	W5ACA001	PEM			162.06	0.28	0.18
Campbell	Little Powder, Montana, Wyoming	191.9	191.9	44.630448	-105.477238	S5ACA002	Intermittent	Wildcat Creek	3B	25.28	0.05	0.03
Campbell	Little Powder, Montana, Wyoming	193.4	193.4	44.648427	-105.459779	S_UTM13_00771	Ephemeral			21.10	0.05	0.02
Campbell	Little Powder, Montana, Wyoming	194.7	194.7	44.663910	-105.444406	S5ACA003	Intermittent	Wildcat Creek	(not listed)[2]	15.95	0.03	0.02
Campbell	Little Powder, Montana, Wyoming	195.4	195.4	44.672542	-105.438610	S4ACA005	Intermittent	Trib Wildcat Creek	(not listed)[2]	11.33	0.10	0.01
Campbell	Little Powder, Montana, Wyoming	196.0	196.1	44.680653	-105.433175	S4ACA004	Ephemeral	Trib Wildcat Creek	(not listed)[2]	3.03	0.01	0.00
Campbell	Little Powder, Montana, Wyoming	196.8	196.8	44.690456	-105.425721	S_UTM13_00783	Ephemeral			26.95	0.08	0.03
Campbell	Little Powder, Montana, Wyoming	197.0	197.0	44.692845	-105.423975	S_UTM13_00785	Ephemeral			14.98	0.04	0.02
Campbell	Little Powder, Montana, Wyoming	199.3	199.4	44.721224	-105.399724	S2ACA004	Perennial	Horse Creek	3B	75.96	0.22	0.09
Campbell	Little Powder, Montana, Wyoming	200.1	200.1	44.731171	-105.393655	S2ACA003	Ephemeral			3.52	0.01	0.00
Campbell	Little Powder, Montana, Wyoming	203.1	203.1	44.762985	-105.358663	S6ACA005	Perennial	Little Powder River	2AB	25.36	0.05	0.03
Campbell	Little Powder, Montana, Wyoming	205.5	205.5	44.788527	-105.323650	S1ACA001	Intermittent			8.00	0.02	0.01
Campbell	Little Powder, Montana, Wyoming	208.4	208.4	44.822458	-105.296691	S1ACA003	Open Water			10.73	0.03	0.01
Campbell	Little Powder, Montana, Wyoming	212.0	212.1	44.868371	-105.268465	S_UTM13_00826	Ephemeral			29.24	0.08	0.03
Campbell	Little Powder, Montana, Wyoming	212.1	212.2	44.869632	-105.267617	S_UTM13_00828	Ephemeral			38.41	0.09	0.04
Campbell	Little Powder, Montana, Wyoming	212.6	212.6	44.876427	-105.263295	S_UTM13_00830	Ephemeral			Adjacent	0.00	0.00
Campbell	Little Powder, Montana, Wyoming	213.0	213.1	44.881377	-105.259152	S_UTM13_00832	Ephemeral			141.54	0.28	0.15
Campbell	Little Powder, Montana, Wyoming	214.2	214.2	44.896130	-105.248146	S8ACA008	Intermittent	Dry Creek	3B	14.66	0.05	0.02
Campbell	Little Powder, Montana, Wyoming	214.4	214.4	44.898762	-105.246654	S8ACA007	Intermittent			15.24	0.05	0.02
Campbell	Little Powder, Montana, Wyoming	215.2	215.2	44.908880	-105.242151	S_UTM13_01462	Ephemeral			32.02	0.08	0.04
Campbell	Little Powder, Montana, Wyoming	218.3	218.3	44.949394	-105.214597	S2ACA001	Perennial	Trail Creek	3B	113.97	0.29	0.13
Campbell	Little Powder, Montana, Wyoming	218.7	218.8	44.954286	-105.210872	W2ACA001	PEM			72.68	0.27	0.08
Campbell	Little Powder, Montana, Wyoming	218.9	219.0	44.955769	-105.206769	W6ACA002	PEM			325.27	1.05	0.36
Campbell	Little Powder, Montana, Wyoming	219.0	219.0	44.956872	-105.205235	W6ACA001	PEM			Adjacent	0.16	0.00
Campbell	Little Powder, Montana, Wyoming	219.5	219.5	44.962048	-105.198702	S_UTM13_01464	Ephemeral			20.19	0.08	0.03
Campbell	Little Powder, Montana, Wyoming	220.1	220.1	44.968718	-105.190208	S6ACA004	Ephemeral			3.36	0.01	0.00
Campbell	Little Powder, Montana, Wyoming	221.3	221.3	44.984207	-105.181932	S6ACA003	Intermittent			24.23	0.08	0.03
Campbell	Little Powder, Montana, Wyoming	221.5	221.5	44.987656	-105.182039	S6ACA002	Intermittent			6.56	0.02	0.01
Campbell	Little Powder, Montana, Wyoming	222.2	222.3	44.996615	-105.177698	S6ACA001	Intermittent			3.82	0.02	0.01

Appendix D – Greencore Project Waterbody and Wetland Crossings

Location						Waterbody Identification				Disturbance		
County	HUC Subbasin	From (MP)	To (MP)	Latitude	Longitude	AECOM Feature ID	Type of Feature	Name[1]	Water Quality Classification[2]	Distance Directly Crossed by CL (feet)	Temporary ROW (acres)	Permanent ROW (acres)
Montana												
Powder River	Little Powder, Montana, Wyoming	225.2	225.3	45.035299	-105.150311	S2APR001	Perennial	Ranch Creek	B-2	47.31	0.11	0.05
Powder River	Little Powder, Montana, Wyoming	231.5	231.5	45.111695	-105.088656	S1APR001	Perennial	Bell Creek	B-2	10.27	0.04	0.01

[1]Blank entries indicate waterbodies that are unnamed or whose names are unknown.

[2]The classification list does not contain an exhaustive listing of all the surface waters in the state. Those waters that are not specifically listed are classified as follows:

Those waters supported by an approved UAA containing defensible reasons for not protecting aquatic life uses shall be 4A, 4B or 4C;

The remaining waters shall be 3A, 3B or 3C.